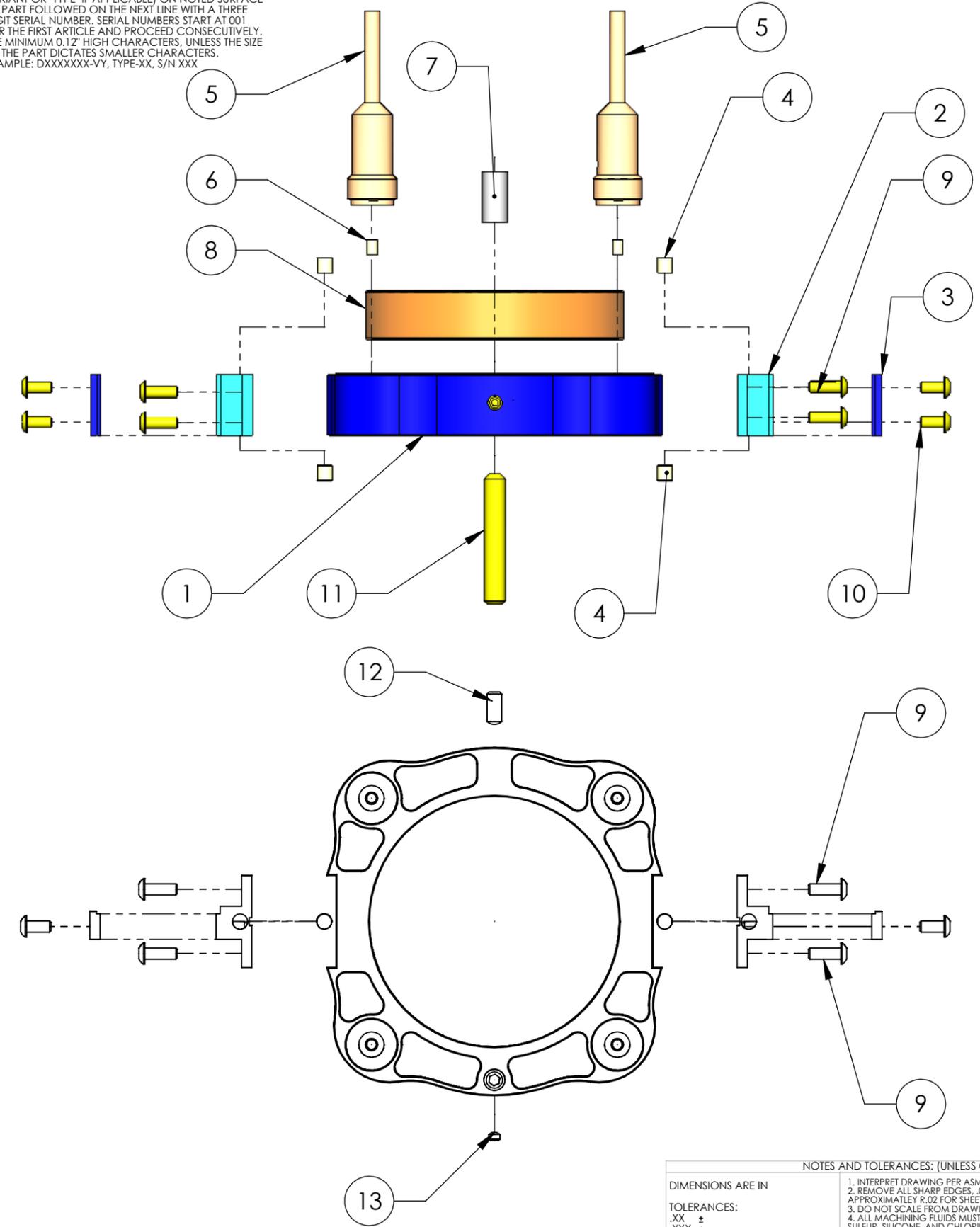


D1100907_v1_dLIGO_HAM_Tip-Tilt_Suspension_Assembly - Mirror Holder, PART PDM REV. - DRAWING PDM REV.

NOTES CONTINUED:
 ⑤ SCRIBE, ENGRAVE (A VIBRATORY TOOL MAY BE USED), LASER MARK OR MECHANICALLY STAMP (NO INKS OR DYES) DRAWING PART NUMBER, REVISION (AND VARIANT OR "TYPE" IF APPLICABLE) ON NOTED SURFACE OF PART FOLLOWED ON THE NEXT LINE WITH A THREE DIGIT SERIAL NUMBER. SERIAL NUMBERS START AT 001 FOR THE FIRST ARTICLE AND PROCEED CONSECUTIVELY. USE MINIMUM 0.12" HIGH CHARACTERS, UNLESS THE SIZE OF THE PART DICTATES SMALLER CHARACTERS. EXAMPLE: DXXXXXX-VY, TYPE-XX, S/N XXX

REV.	DATE	DCN #	DRAWING TREE #
-	-	-	-
-	-	-	-
-	-	-	-



13			Socket Set Screw Oval Point #2-56x0.0625	18-8 SSTL	1	1	
12			Socket Set Screw Oval Point #4-40x0.25	18-8 SSTL	1	1	
11			Socket Set Screw Oval Point #8-32x1	18-8 SSTL	1	1	
10			Socket Button Head Cap Screw #2-56x0.188	18-8 SSTL	4	4	
9			Socket Button Head Cap Screw #2-56x0.375	18-8 SSTL	8	8	
8			Optics 2" x 3/8"	BK7 GLASS	1	1	
7	D1001648	v1	Tip-Tilt Mirror - Nudge	PFA440 HP (PRESHRUN K)	1	1	
6	D1002339	v1	Tip-Tilt BOSEM Magnet - Dia2x3mm	SmCo 2:17	4	4	
5	D1002338	v1	Tip-Tilt BOSEM Flag - Dia2x3mm Magnet	PEEK	4	4	
4	D1001493	v1	Tip-Tilt Inner Wire Clamp Magnet	SmCo 2:17	4	4	
3	D1001483	v1	Tip-Tilt Outer Wire Clamp ALU	6061-T6 Al	2	2	
2	D1001482	v1	Tip-Tilt Inner Wire Clamp ALU - 1.5mm	6061-T6 Al	2	2	
1	D1001428	v2	Tip-Tilt Mirror Holder	6061-T6 Al	1	1	
ITEM NO.	PART NUMBER	Revision	DESCRIPTION	MATERIAL	REQ	SPARE	TOTAL

NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED)

1. INTERPRET DRAWING PER ASME Y14.5-1994.
 2. REMOVE ALL SHARP EDGES, .005-.015, FOR MACHINED PARTS. ROUND ALL EDGES APPROXIMATELY R.02 FOR SHEET METAL PARTS.
 3. DO NOT SCALE FROM DRAWING.
 4. ALL MACHINING FLUIDS MUST BE FULLY SYNTHETIC, FULLY WATER SOLUBLE AND FREE OF SULFUR, SILICONE, AND CHLORINE.

DIMENSIONS ARE IN
 TOLERANCES:
 .XX ±
 .XXX ±
 ANGULAR ± °

MATERIAL N/A FINISH N/A μinch

CALIFORNIA INSTITUTE OF TECHNOLOGY
 MASSACHUSETTS INSTITUTE OF TECHNOLOGY
ADVANCED LIGO SUB-SYSTEM **ISC**

PART NAME: **LIGO HAM Tip-Tilt Suspension Assembly - Mirror Holder**

DESIGNER: BJJ Slagmolen 10 Jun 2010
 DRAFTER: BJJ Slagmolen
 CHECKER:
 APPROVAL:

SIZE DWG. NO. **B D1100907** REV. **v1**

SCALE: 1:1 PROJECTION: SHEET 1 OF 1

8 7 6 5 4 3 2 1